

ORDER NO. MD0401011C1

A6

Service Manual

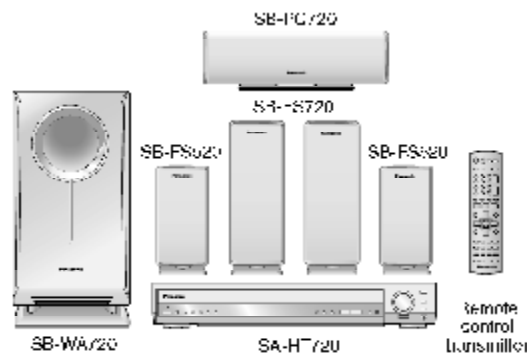
Speaker System

SB-FS720P / SB-PC720P

SB-FS520P

Colour

(S)... Silver Type



SPECIFICATIONS

Specification

■ Front speakers (SB-FS720)

Type	2 way, 2 speaker system, (Bass reflex)
Speaker unit(s)	
Woofer	6.5 cm (2-1/2") cone type
Tweeter	6 cm (2-3/8") Ring shaped dome type
Impedance	4 Ω
Input power (IEC)	70 W (Max)
Output sound pressure level	80 dB/W (1.0m)
Cross over frequency	6 kHz
Frequency range	96 Hz - 50 kHz (-16 dB) 105 Hz - 45 kHz (-10 dB)
Dimensions (W x H x D)	86 x 240 x 114 mm (3-3/8" x 9-7/16" x 4-1/2")
Mass	0.9 kg (1.98 lb.)

■ Surround speakers (SB-FS520)

Type	1 way, 1 speaker, (Bass reflex)
Speaker unit(s)	
Full range	6.5 cm (2-1/2") cone type
Impedance	4 Ω
Input power (IEC)	70 W (Max)
Output sound pressure level	80 dB/W (1.0m)
Frequency range	88 Hz - 25 kHz (-16 dB) 100 Hz - 22 kHz (-10 dB)
Dimensions (W x H x D)	86 x 180 x 112 mm (3-3/8" x 7-3/32" x 4-13/32")
Mass	0.73 kg (1.6 lb.)

■ Center speaker (SB-PC720)

Type	2 way, 3 speaker system, (Bass reflex)
Speaker unit(s)	
1. Full range	6.5 cm (2-1/2") cone type
2. Full range	6.5 cm (2-1/2") cone type
3. Super tweeter	Piezo type
Impedance	4 Ω
Input power (IEC)	260 W ● (Max)
Output sound pressure level	82 dB/W (1.0m)
Cross over frequency	10 kHz
Frequency range	88 Hz - 25 kHz (-16 dB) 98 Hz - 22 kHz (-10 dB)
Dimensions (W x H x D)	300 x 102 x 116 mm (11-13/16" x 4-1/32" x 4-9/16")
Mass	1.37 kg (3 lb.)

Notes :

1. Specifications are subject to change without notice.
2. Mass and dimensions are approximate.

● Ratings with low cut filter equipped amplifier

■ System : SC-HT720P-S	Music Center : SA-HT720P-S
	Satellite Speaker : SB-HT720P-S
	Active Subwoofer : SB-WA720PP-S
■ System : SC-HT720PC-S	Music Center : SA-HT720PC-S
	Satellite Speaker : SB-HT720P-S
	Active Subwoofer : SB-WA720PP-S
■ System : SC-HT720GCP-S	Music Center : SA-HT720GCP-S
	Satellite Speaker : SB-H720P-S
	Subwoofer : SB-WA720GCP-S
■ System : SC-HT692P-S	Music Center : SA-HT692P-S
	Satellite Speaker : SB-H720P-S
	Subwoofer : SB-WA720P-S

SB-HT720P-S consists of :SB-FS520P-S (x 2), SB-FS720P-S (x 2),
and SB-PC720P-S (x 1)

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WARNING

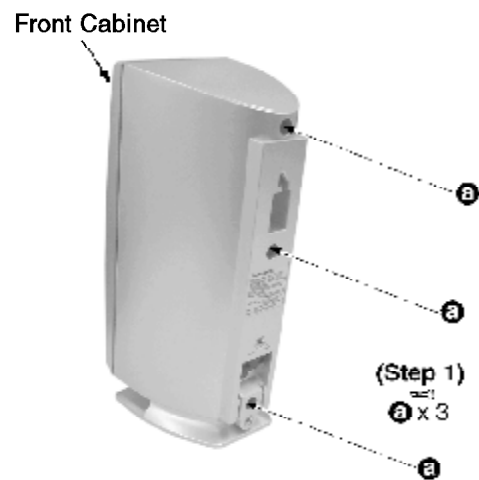
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

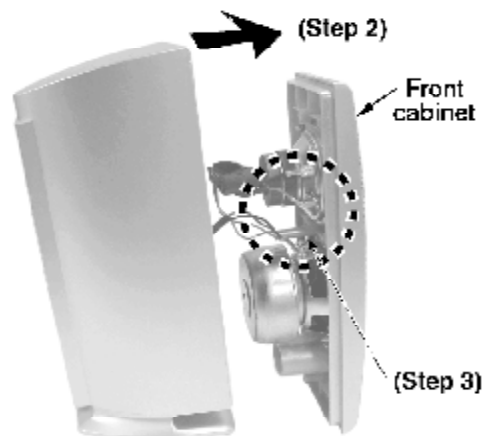
1. Disassembly Process

1.1. Disassembly of Speaker (SB-FS720)

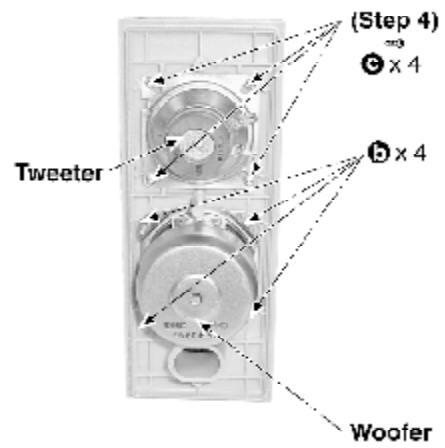
Step 1: Remove all the screws.



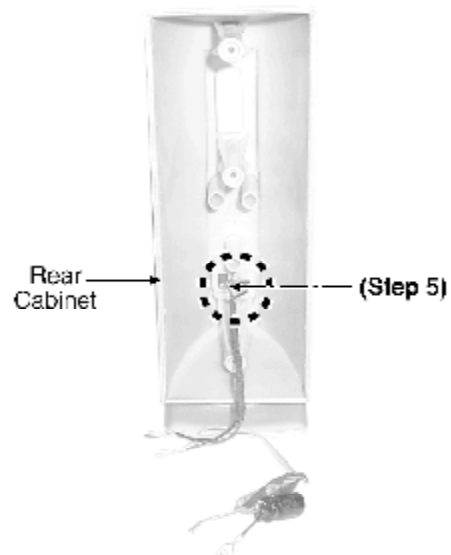
Step 2: Push the Front Cabinet forward to remove as arrow shown.
Step 3: Detach the wires (+) and (-) from the Speaker.



Step 4: Remove all the screws from the Speaker.



Step 5: Detach the wires (+) and (-) from the Terminal.



Step 6: Remove the screw from Terminal.

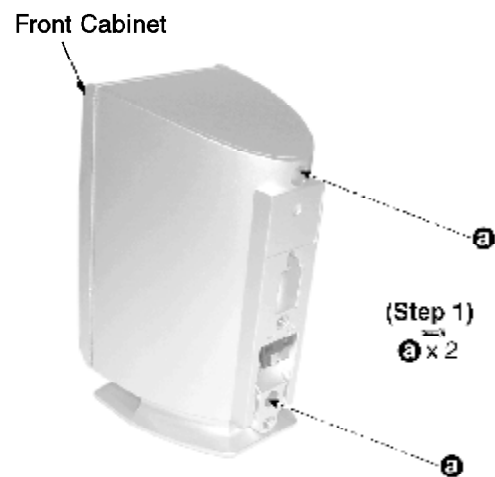


Step 7: Remove the Terminal from the Rear Cabinet.

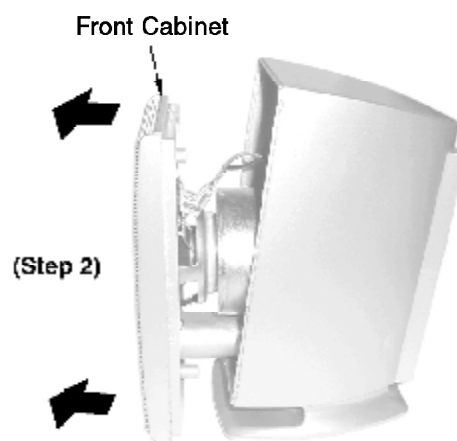


1.2. Disassembly of Speaker (SB-FS520)

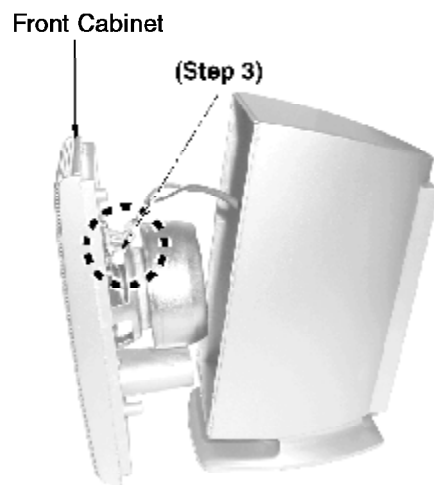
Step 1: Remove all the screws.



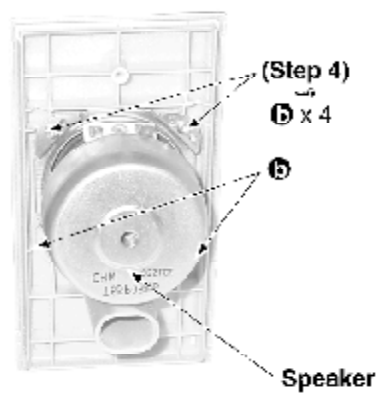
Step 2: Push the Front Cabinet forward to remove as arrow shown.



Step 3: Detach the wires (+) and (-) from the Speakers.



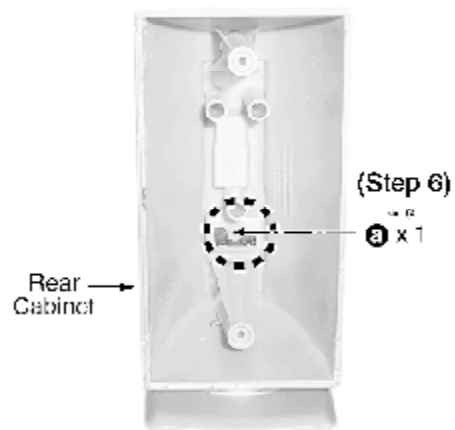
Step 4: Remove all the screws from the Speakers.



Step 5: Detach the wires (+) and (-) from the Terminal.



Step 6: Remove the screw from the Terminal.

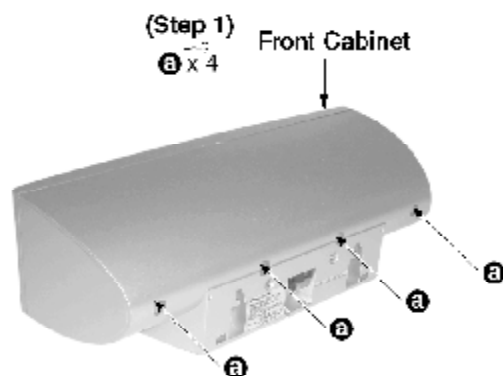


Step 7: Remove the Terminal from Rear Cabinet.



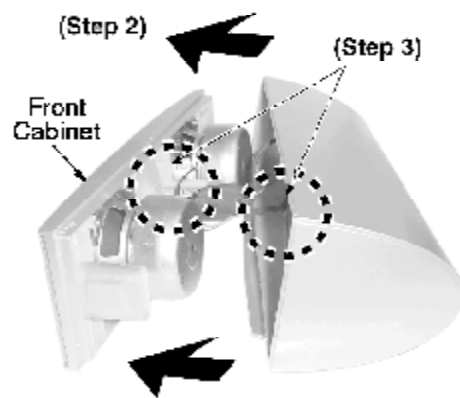
1.3. Disassembly of Speaker (SB-PC720)

Step 1: Remove all the screws.

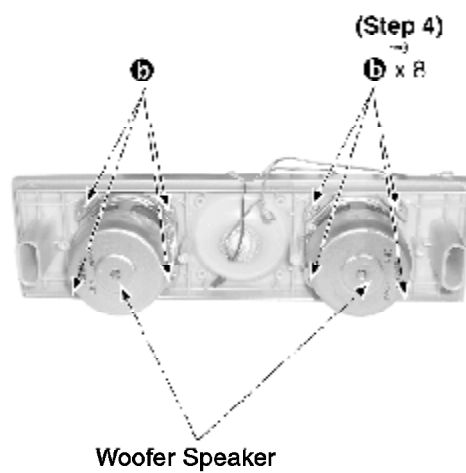


Step 2: Push the Front Cabinet forward to remove as arrow shown.

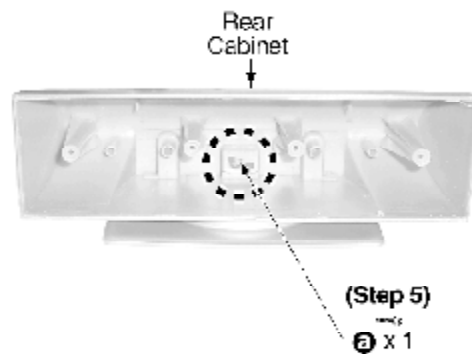
Step 3: Detach the wires (+) and (-) from the Speaker and Terminal.



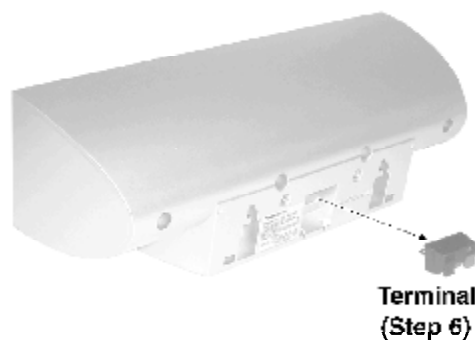
Step 4: Remove all the screws from the Speaker.



Step 5: Remove the screw from the Terminal.



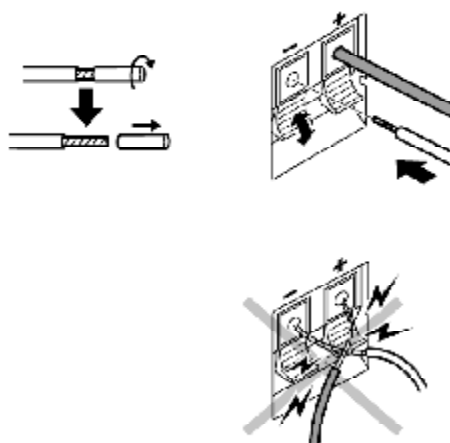
Step 6: Remove the Terminal from the Rear Cabinet.



2. Connection of the Speaker Cables

- Be sure to connect speaker cables before connecting the AC power supply cord.
 - The load impedance of any speaker used with this unit must be 4 Ω .
 - Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.
1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)

2. Insert the wire to the rear panel of the unit and close the lever.

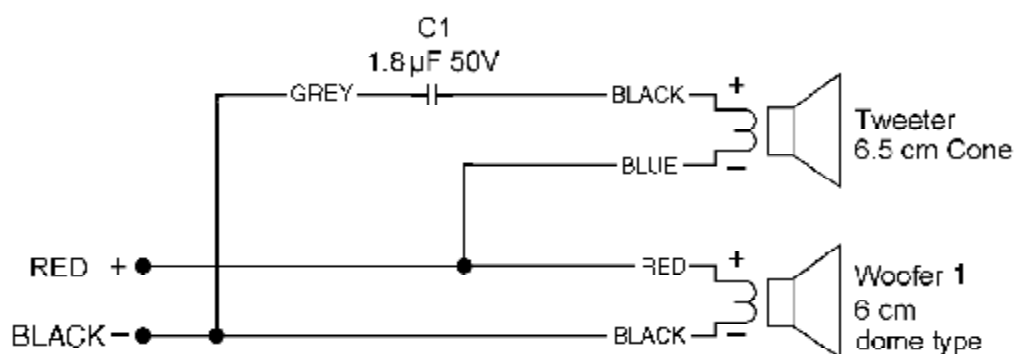


Notes :

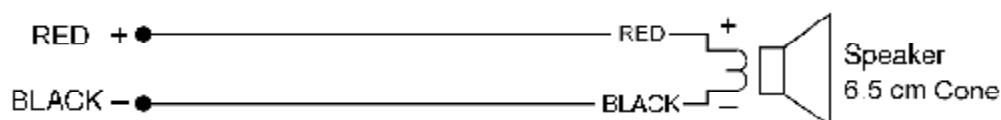
- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (-) terminals.

3. Connection of Wiring Diagram

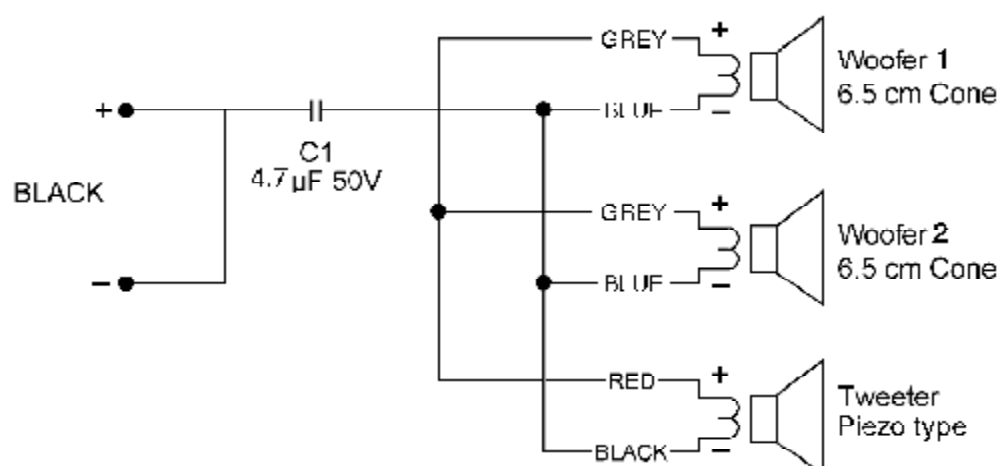
3.1. SB-FS720



3.2. SB-FS520

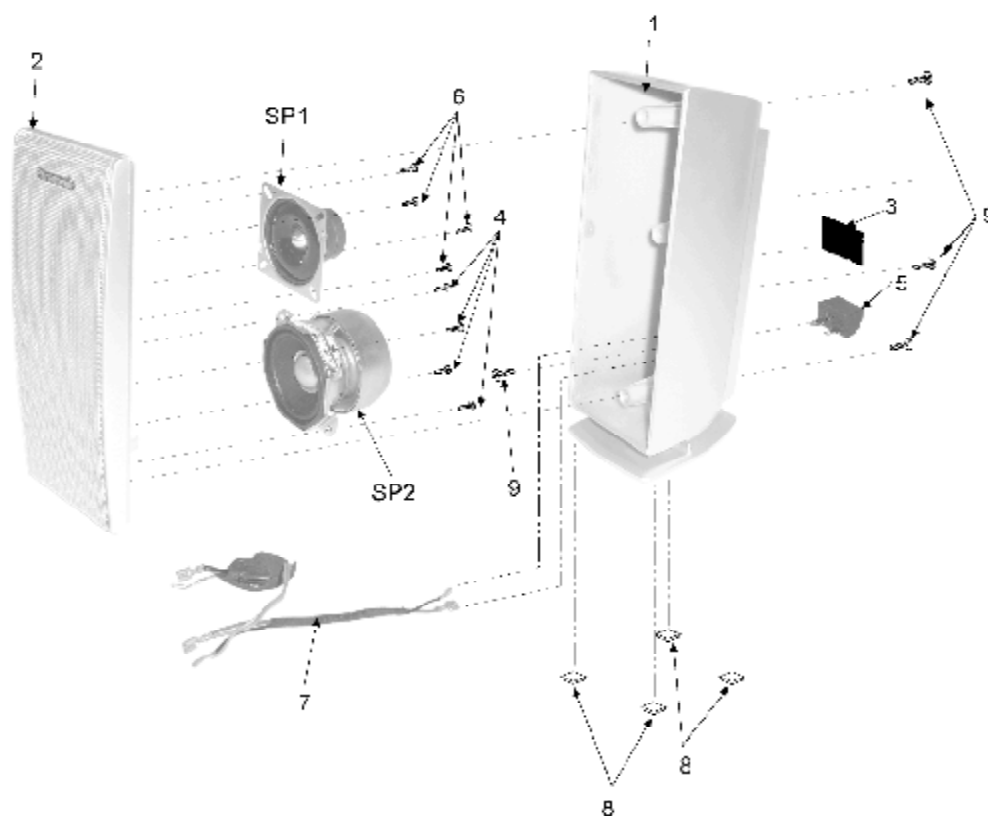


3.3. SB-PC720

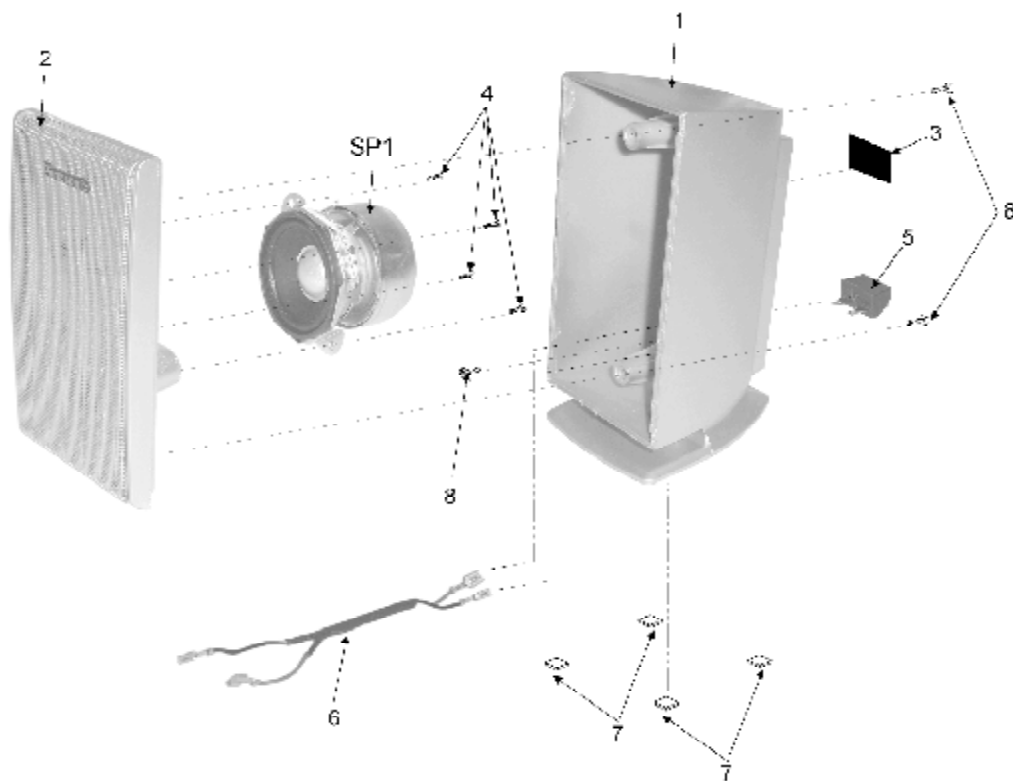


4. Cabinet Parts Location

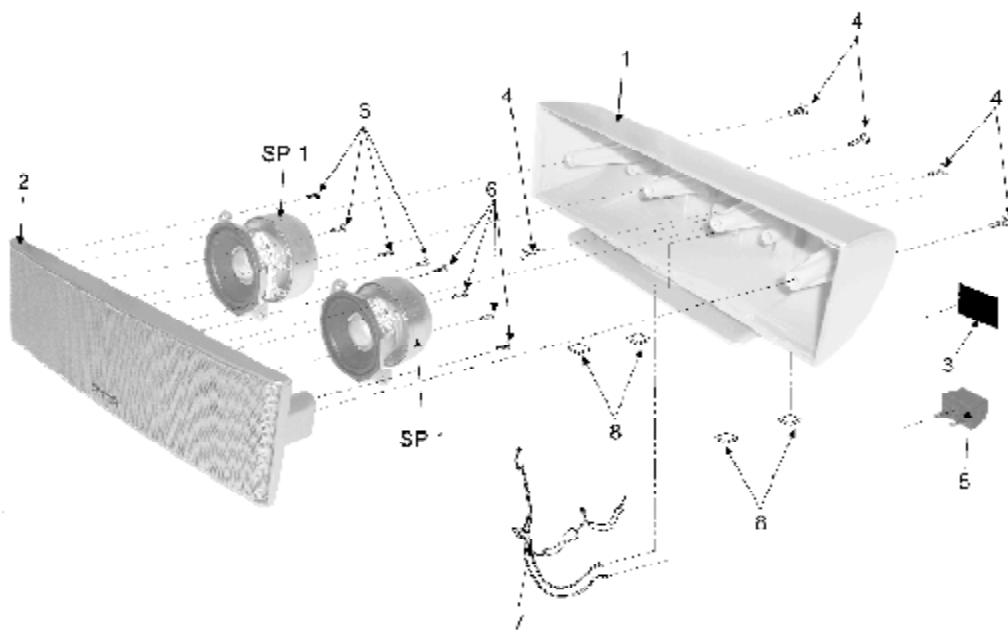
4.1. SB-FS720



4.2. SB-FS520



4.3. SB-PC720



5. Replacement Parts List

Notes :

- Important safety notice :

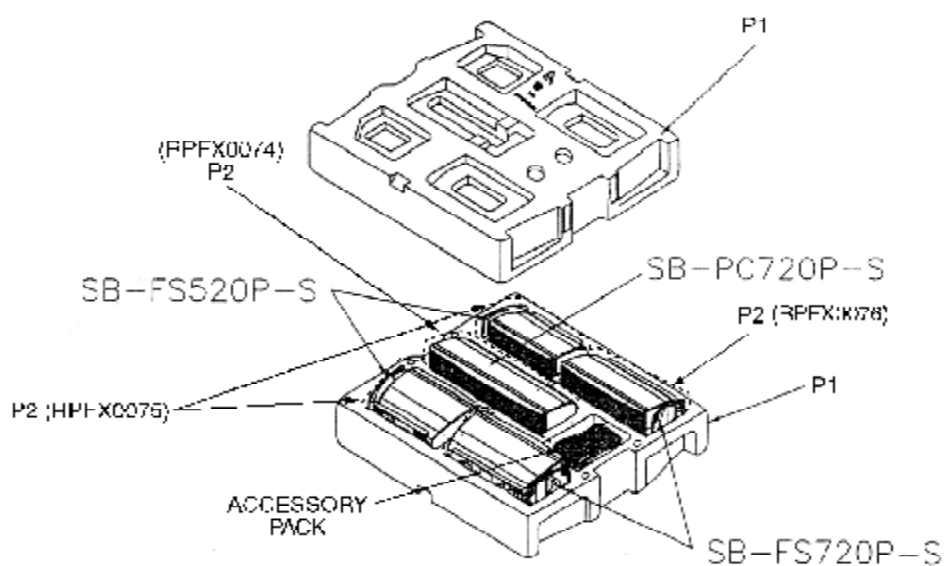
When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- [M] indicates in the Remarks columns indicates parts supplied by PAVCSG.

Ref. No.0	Part No.	Part Name & Description	Remarks
		<SB-FS720>	
		CABINET AND CHASSIS	
<u>1</u>	RFKHBFS720PS	REAR CABINET ASS'Y	
<u>2</u>	RYBX0057-S	FRONT PANEL ASS'Y	[M]
<u>3</u>	RGNX0233-S	SPEC. SHEET	[M]
<u>4</u>	XTB3+10G	SCREW	[M]
<u>5</u>	RJH5219	TERMINAL	[M]
<u>6</u>	XTB3+8G	SCREW	[M]
<u>7</u>	REEX0346	SPK CORD ASS'Y	[M]
<u>8</u>	RKA0072-KJ	LEG	[M]
<u>9</u>	XTB3+12G	SCREW	
		CAPACITOR	
C1	ECEA1HAY1R8	1.8uf 50V	[M]
		PACKING MATERIALS	
<u>P2</u>	RPFX0076	MIRAMAT BAG	[M]
		SPEAKER	
<u>SP1</u>	EAST6PH17C6	TWEETER	
<u>SP2</u>	EAST65P09A6	SPEAKER	[M]
		<SB-FS520>	
		CABINET AND CHASSIS	
<u>1</u>	RFKHBFS520PS	REAR CABINET ASS'Y	
<u>2</u>	RYBX0055-S	FRONT PANEL ASS'Y	[M]
<u>3</u>	RGNX0235-S1	SPEC. SHEET	[M]
<u>4</u>	XTB3+10G	SCREW	[M]
<u>5</u>	RJH5216	TERMINAL	[M]
<u>6</u>	REEX0338	SPEAKER CORD	[M]
<u>7</u>	RKA0072-KJ	LEG	[M]
<u>8</u>	XTB3+12G	SCREW	
		PACKING MATERIALS	
<u>P2</u>	RPFX0075	MIRAMAT BAG	[M]
		SPEAKER	
<u>SP1</u>	EAST65P08E6	SPEAKER	[M]
		<SB-PC720>	
		CABINET AND CHASSIS	
<u>1</u>	RFKHBPC720PS	REAR CABINET ASS'Y	

Ref. No.0	Part No.	Part Name & Description	Remarks
		<SB-FS720>	
		CABINET AND CHASSIS	
<u>2</u>	RYBX0053-S	FRONT PANEL ASS'Y	[M]
<u>3</u>	RGNX0231-S	SPEC. SHEET	[M]
<u>4</u>	XTB3+12G	SCREW	[M]
<u>5</u>	RJH5219	TERMINAL	[M]
<u>6</u>	XTB3+10G	SCREW	[M]
<u>7</u>	REEX0343	SPEAKER CORD	[M]
<u>8</u>	RKA0072-KJ	LEG	[M]
		CAPACITORS	
C1	ECEA1HAY1R8	1.8uf 50V	[M]
		PACKING MATERIALS	
<u>P2</u>	RPFX0074	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	REE1203A-1J	SPEAKER CORD (4M)	
A1	REE1203C-1J	SPEAKER CORD (10M)	
		PACKING MATERIALS	
<u>P1</u>	RPNX0236	POLYFOAM	[M]
		SPEAKER	
<u>SP1</u>	EAST65P08F6	SPEAKER	[M]

5.1. Packaging



FLE0401M/S